

SWITCHING CIRCUIT AND METHOD THEREFOR

Abstract of the Disclosure

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A method for providing a current path during switching transitions of a switching circuit while limiting the short circuit current. In one embodiment, a switching circuit includes a passive break-before-make element in series with two switches. An alternate embodiment includes a make-before-break element in parallel with the switches. The passive break-before-make element, or make-before-break element, provides a high impedance in a short term and a low impedance in a long term. The switching circuit may be coupled to a load through a low pass filter. In one embodiment, the switching circuit is used in a switching audio amplifier circuit, where correction of nonlinearities incorporates analog feedback to modify the duty ratio of a digitally generated switching signal in the analog domain.